

# HMM3 Build Element

Builds a HMM3 profile from a multiple sequence alignment. The HMM3 profile is a statistical model which captures position-specific information about how conserved each column of the alignment is, and which residues are likely.

# Parameters in GUI

Parameter	Description	Default value
Random seed	Random generator seed. 0 - means that one-time arbitrary seed will be used.	0

## Parameters in Workflow File

Type: hmm3-build

Parameter	Parameter in the GUI	Type
seed	Random seed	<i>numeric</i>

## Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** *Input MSA*

**Name in Workflow File:** in-msa

**Slots:**

Slot In GUI	Slot in Workflow File	Type
MSA	msa	<i>msa</i>

And 1 *output port*:

**Name in GUI:** *HMM3 profile*

**Name in Workflow File:** out-hmm3

**Slots:**

Slot In GUI	Slot in Workflow File	Type
HMM profile	hmm3-profile	<i>hmm3-profile</i>